

Title (en)

Ink, and ink-jet recording method and instrument using the same.

Title (de)

Tinte, Tintenstrahldruckverfahren und Vorrichtung hierfür.

Title (fr)

Encre, procédé d'impression par jet d'encre et instrument utilisant celui-ci.

Publication

EP 0662499 A3 19971203 (EN)

Application

EP 94120755 A 19941227

Priority

JP 34897593 A 19931228

Abstract (en)

[origin: EP0662499A2] Disclosed herein is an ink comprising a dye having at least one anionic group, an amino acid type polyamine or a polyethyleneimine containing at least 7 nitrogen atoms in its molecule, and water, wherein the dye is either a metallized azo dye or a nonmetallized azo dye satisfying the following conditions (x) and (y) at the same time: (x) no anionic group is situated at an ortho position to the azo bond, and at least one anionic group exists at another position than the ortho position to the azo bond; and (y) at least one aromatic residue is bonded to the azo bond, and the aromatic ring of the aromatic residue is a benzene or naphthalene ring, with the proviso that the aromatic rings situated on both sides of the azo bond are not naphthalene rings at the same time if present. <IMAGE>

IPC 1-7

C09D 11/10; **B41M 1/42**

IPC 8 full level

B41M 1/42 (2006.01); **C09D 11/00** (2006.01)

CPC (source: EP US)

B41M 1/42 (2013.01 - EP US); **C09D 11/328** (2013.01 - EP US)

Citation (search report)

- [A] EP 0567307 A1 19931027 - LEXMARK INT INC [US]
- [A] US 5017644 A 19910521 - FULLER TIMOTHY J [US], et al

Cited by

EP1172422A3; EP1229084A1; US6521030B1; US6458195B1; US6302949B1; EP3434736A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

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DOCDB simple family (application)

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